

Note: Section A is compulsory. Attempt any Four questions from Section B.

Section A Marks 2 each

1.

- (a) Enlist different types of maintenance.
- (b) Explain briefly the various inventory costs.
- (c) What are the different types of stores?
- (d) Give various objectives of plant layout.
- (e) Give differences between batch production system and mass production system.
- (f) What is meant by PPC?
- (g) Give various factors being considered for location analysis.
- (h) What is meant by acceptance sampling?
- (i) Give the measures of productivity.
- (j) Give two advantages and two disadvantages of inventory.

Section B Marks 10 each

2. What is the function of a safety stock or buffer stock? Explain Economic order quantity?
3. What is the importance of work study? How can it increase productivity?
4. A manufacturer has annual consumption of 40,000 units. The ordering cost is Rs. 200 per order. Carrying cost is 15%. Unit cost is Rs. 50. Lead time is constant equal to one month. Calculate EOQ, total cost and Reorder-level.
5. What is meant by capacity planning? What are the major short term and medium term decisions taken while planning capacity for an organization?
6. Name different types of layouts. Differentiate between process and product layout.
- 7 (a) What is total quality management?
- (b) How does Material requirement planning differ from capacity planning?

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